

Union Calendar No.

114TH CONGRESS
1ST SESSION**H. R. 2262****[Report No. 114-]**

To facilitate a pro-growth environment for the developing commercial space industry by encouraging private sector investment and creating more stable and predictable regulatory conditions, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

MAY 12, 2015

Mr. MCCARTHY (for himself, Mr. SMITH of Texas, Mr. PALAZZO, Mr. ROHR-ABACHER, Mr. LUCAS, Mr. MCCAUL, Mr. POSEY, Mr. KNIGHT, Mr. BABIN, Mr. HULTGREN, Mr. BRIDENSTINE, Mr. WEBER of Texas, and Mr. MOOLENAAR) introduced the following bill; which was referred to the Committee on Science, Space, and Technology

MAY --, 2015

Reported with an amendment, committed to the Committee of the Whole House on the State of the Union, and ordered to be printed

[Strike out all after the enacting clause and insert the part printed in *italic*]

[For text of introduced bill, see copy of bill as introduced on May 12, 2015]

A BILL

To facilitate a pro-growth environment for the developing commercial space industry by encouraging private sector investment and creating more stable and predictable regulatory conditions, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 *This Act may be cited as the “Spurring Private Aero-*
5 *space Competitiveness and Entrepreneurship Act of 2015”*
6 *or the “SPACE Act of 2015”.*

7 **SEC. 2. CONSENSUS STANDARDS.**

8 *Section 50905(c) of title 51, United States Code, is*
9 *amended—*

10 *(1) by striking paragraph (3);*

11 *(2) by redesignating paragraph (4) as para-*
12 *graph (8); and*

13 *(3) by inserting after paragraph (2) the fol-*
14 *lowing:*

15 *“(3) INTERIM INDUSTRY VOLUNTARY CONSENSUS*
16 *STANDARDS REPORT.—The Secretary, in consultation*
17 *with the Commercial Space Transportation Advisory*
18 *Committee, or its successor organization, shall pro-*
19 *vide a report to the Committee on Science, Space, and*
20 *Technology of the House of Representatives and the*
21 *Committee on Commerce, Science, and Transpor-*
22 *tation of the Senate on the progress of the commercial*
23 *space transportation industry in developing vol-*
24 *untary consensus standards or any other construction*

1 *that promotes best practices to improve the industry.*

2 *Such report shall include, at a minimum—*

3 “(A) *any voluntary industry consensus*
4 *standards or any other construction that have*
5 *been accepted by the industry at large;*

6 “(B) *the identification of areas that have*
7 *the potential to become voluntary industry con-*
8 *sensus standards or another potential construc-*
9 *tion that are currently under consideration by*
10 *the industry at large;*

11 “(C) *an assessment from the Secretary on*
12 *the general progress of the industry in adopting*
13 *voluntary consensus standards or any other con-*
14 *struction;*

15 “(D) *lessons learned about voluntary indus-*
16 *try consensus standards or any other construc-*
17 *tion, best practices, and commercial space launch*
18 *operations;*

19 “(E) *any lessons learned associated with the*
20 *development, potential application, and accept-*
21 *ance of voluntary industry consensus standards*
22 *or any other construction, best practices, and*
23 *commercial space launch operations; and*

24 “(F) *recommendations, findings, or observa-*
25 *tions from the Commercial Space Transportation*

1 *Advisory Committee, or its successor organiza-*
2 *tion, on the progress of the industry in devel-*
3 *oping industry consensus standards or any other*
4 *construction.*

5 *This report, with the appropriate updates in the in-*
6 *tervening periods, shall be transmitted to such com-*
7 *mittees no later than December 31, 2016, December*
8 *31, 2018, December 31, 2020, and December 31, 2022.*
9 *Each report shall describe and assess the progress*
10 *achieved as of 6 months prior to the specified trans-*
11 *mittal date.*

12 “(4) *INTERIM REPORT ON KNOWLEDGE AND*
13 *OPERATIONAL EXPERIENCE.—The Secretary shall pro-*
14 *vide a report to the Committee on Science, Space, and*
15 *Technology of the House of Representatives and the*
16 *Committee on Commerce, Science, and Transpor-*
17 *tation of the of the Senate on the status of the knowl-*
18 *edge and operational experience acquired by the in-*
19 *dustry while providing flight services for compensa-*
20 *tion or hire to support the development of a safety*
21 *framework. Interim reports shall by transmitted to*
22 *such committees no later than December 31, 2018, De-*
23 *cember 31, 2020, and December 31, 2022. Each report*
24 *shall describe and assess the progress achieved as of*
25 *6 months prior to the specified transmittal date.*

1 “(5) *INDEPENDENT REVIEW.*—No later than De-
2 *cember 31, 2023, an independent, private systems en-*
3 *gineering and technical assistance organization or*
4 *standards development organization contracted by the*
5 *Secretary shall provide to the Committee on Science,*
6 *Space, and Technology of the House of Representa-*
7 *tives and the Committee on Commerce, Science, and*
8 *Transportation of the Senate an assessment of the*
9 *readiness of the commercial space industry and the*
10 *Federal Government to transition to a safety frame-*
11 *work that may include regulations. As part of the re-*
12 *view, the contracted organization shall evaluate—*

13 “(A) *the progress of the commercial space*
14 *industry in adopting industry voluntary stand-*
15 *ards or any other construction as reported by the*
16 *Secretary in the interim assessments included in*
17 *reports provided under paragraph (4); and*

18 “(B) *the knowledge and operational experi-*
19 *ence obtained by the commercial space industry*
20 *while providing services for compensation or hire*
21 *as reported by the Secretary in the interim*
22 *knowledge and operational reports provided*
23 *under paragraph (4).*

24 “(6) *LEARNING PERIOD.*—Beginning on Decem-
25 *ber 31, 2025, the Secretary may propose regulations*

1 *under this subsection without regard to paragraph*
2 *(2)(C) and (D). The development of any such regula-*
3 *tions shall take into consideration the evolving stand-*
4 *ards of the commercial space flight industry as iden-*
5 *tified through the reports published under paragraphs*
6 *(3) and (4).*

7 *“(7) COMMUNICATION AND TRANSPARENCY.—*
8 *Nothing in this subsection shall be construed to limit*
9 *the authority of the Secretary of Transportation to*
10 *discuss potential approaches, potential performance*
11 *standards, or any other topic related to this sub-*
12 *section with the commercial space industry including*
13 *observations, findings, and recommendations from the*
14 *Commercial Space Transportation Advisory Com-*
15 *mittee, or its successor organization, prior to the*
16 *issuance of a notice of proposed rulemaking. Such dis-*
17 *cussions shall not be construed to permit the Sec-*
18 *retary to promulgate industry regulations except as*
19 *otherwise provided in this section.”.*

20 **SEC. 3. INTERNATIONAL LAUNCH COMPETITIVENESS.**

21 *(a) PURPOSE.—The purpose of this section is to pro-*
22 *vide for updating the methodology used to calculate the*
23 *maximum probable loss from claims under section 50914*
24 *of title 51, United States Code, with a validated risk profile*
25 *approach to provide reasonable maximum probable loss val-*

1 *ues associated with potential third party losses from com-*
2 *mercially licensed launches. An appropriately updated*
3 *methodology will help ensure that the Federal Government*
4 *is not exposed to greater financial risks than intended and*
5 *that launch companies are not required to purchase more*
6 *insurance coverage than necessary.*

7 (b) *MAXIMUM PROBABLE LOSS PLAN.*—*Not later than*
8 *180 days after the date of enactment of this Act, the Sec-*
9 *retary of Transportation shall provide to the Committee on*
10 *Science, Space, and Technology of the House of Representa-*
11 *tives and the Committee on Commerce, Science, and Trans-*
12 *portation of the Senate a plan to update the methodology*
13 *used to calculate maximum probable loss from claims under*
14 *section 50914 of title 51, United States Code, through the*
15 *use of a validated risk profile approach. Such plan shall*
16 *include, at a minimum—*

17 (1) *an evaluation of the reasonableness of the*
18 *current single casualty estimate and, if needed, the*
19 *steps the Secretary will take to update such estimate;*

20 (2) *an evaluation, in consultation with the Ad-*
21 *ministrator of the National Aeronautics and Space*
22 *Administration and the heads of other relevant execu-*
23 *tive agencies, of the reasonableness of the dollar value*
24 *of the insurance requirement required by the Sec-*
25 *retary for launch providers to cover damage to Gov-*

1 *ernment property resulting from a commercially li-*
2 *icensed space launch activity, and recommendations as*
3 *to a reasonable calculation if, as determined by the*
4 *Secretary, the current statutory threshold is insuffi-*
5 *cient;*

6 *(3) a schedule of when updates to the method-*
7 *ology and calculations for the totality of the Max-*
8 *imum Probable Loss will be implemented, and a de-*
9 *tailed explanation of any changes to the current cal-*
10 *culatation; and*

11 *(4) consideration of the impact of the cost of its*
12 *implementation on the licensing process, both in*
13 *terms of the cost to industry of collecting and pro-*
14 *viding the requisite data and cost to the Government*
15 *of analyzing the data.*

16 *(c) INDEPENDENT ASSESSMENT.—Not later than 270*
17 *days after transmittal of the plan under subsection (b), the*
18 *Comptroller General shall provide to the Committee on*
19 *Science, Space, and Technology of the House of Representa-*
20 *tives and the Committee on Commerce, Science, and Trans-*
21 *portation of the Senate an assessment of—*

22 *(1) the conclusions and analysis provided by the*
23 *Secretary of Transportation in the plan required*
24 *under subsection (b);*

1 (2) *the implementation schedule proposed by the*
2 *Secretary in such plan;*

3 (3) *the suitability of the plan for implementa-*
4 *tion; and*

5 (4) *any further actions needed to implement the*
6 *plan or otherwise accomplish the purpose of this sec-*
7 *tion.*

8 (d) *LAUNCH LIABILITY EXTENSION.—Section 50915(f)*
9 *of title 51, United States Code, is amended by striking “De-*
10 *cember 31, 2016” and inserting “December 31, 2025”.*

11 **SEC. 4. LAUNCH LICENSE FLEXIBILITY.**

12 *Section 50906 of title 51, United States Code, is*
13 *amended—*

14 (1) *in subsection (d), by striking “launched or*
15 *reentered” and inserting “launched or reentered under*
16 *that permit”;*

17 (2) *by amending subsection (d)(1) to read as fol-*
18 *lows:*

19 “*(1) research and development to test design con-*
20 *cepts, equipment, or operating techniques;”;*

21 (3) *in subsection (d)(3), by striking “prior to ob-*
22 *taining a license”;*

23 (4) *in subsection (e)(1), by striking “suborbital*
24 *rocket design” and inserting “suborbital rocket or*
25 *rocket design”; and*

1 (5) by amending subsection (g) to read as fol-
2 lows:

3 “(g) The Secretary may issue a permit under this sec-
4 tion notwithstanding any license issued under this chapter.
5 The issuance of a license under this chapter shall not invali-
6 date a permit under this section.”.

7 **SEC. 5. GOVERNMENT ASTRONAUTS.**

8 (a) *DEFINITIONS.*—Section 50902 of title 51, United
9 States Code, is amended—

10 (1) by redesignating paragraphs (4) through (22)
11 as paragraphs (5) through (23), respectively;

12 (2) by inserting after paragraph (3) the fol-
13 lowing new paragraph:

14 “(4) ‘government astronaut’ means an indi-
15 vidual designated as such by the Administrator of the
16 National Aeronautics and Space Administration,
17 pursuant requirements established by the Adminis-
18 trator, who—

19 “(A) is an employee of—

20 “(i) the United States Government, in-
21 cluding the United States Armed Forces; or

22 “(ii) a foreign government that is a
23 party to the Intergovernmental Agreement
24 Among the Government of Canada, Govern-
25 ments of Member States of the European

1 *Space Agency, the Government of Japan,*
2 *the Government of the Russian Federation,*
3 *and the Government of the United States of*
4 *America Concerning Cooperation on the*
5 *Civil International Space Station, signed*
6 *on January 29, 1998; and*

7 *“(B) is carried within a launch vehicle or*
8 *reentry vehicle in the course of his or her em-*
9 *ployment, which may include performance of ac-*
10 *tivities directly relating to the launch, reentry,*
11 *or other operation of the launch vehicle or re-*
12 *entry vehicle.”;*

13 (3) *in paragraph (5), as so redesignated by*
14 *paragraph (1) of this subsection, by inserting “gov-*
15 *ernment astronaut,” after “crew,”;*

16 (4) *in paragraph (7)(A), as so redesignated by*
17 *paragraph (1) of this subsection, by inserting “gov-*
18 *ernment astronaut,” after “(including crew train-*
19 *ing),”;*

20 (5) *in paragraph (14), as so redesignated by*
21 *paragraph (1) of this subsection, by inserting “gov-*
22 *ernment astronauts,” after “crew,”;*

23 (6) *in paragraph (15)(A), as so redesignated by*
24 *paragraph (1) of this subsection, by inserting “gov-*

1 *ernment astronaut,” after “(including crew train-*
2 *ing),”;*

3 (7) *by amending paragraph (18), as so redesign-*
4 *ated by paragraph (1) of this subsection, to read as*
5 *follows:*

6 “(18) ‘*space flight participant*’ *means an indi-*
7 *vidual, who is not crew or a government astronaut,*
8 *carried within a launch vehicle or reentry vehicle.”;*
9 *and*

10 (8) *in paragraph (22)(E), as so redesignated by*
11 *paragraph (1) of this subsection, by inserting “, gov-*
12 *ernment astronauts,” after “crew”.*

13 (b) *RESTRICTIONS ON LAUNCHES, OPERATIONS, AND*
14 *REENTRIES; SINGLE LICENSE OR PERMIT.—Section*
15 *50904(d) of title 51, United States Code, is amended by*
16 *inserting “, government astronauts,” after “crew”.*

17 (c) *LICENSE APPLICATIONS AND REQUIREMENTS; AP-*
18 *PLICATIONS.—Section 50905 of title 51, United States*
19 *Code, is amended—*

20 (1) *in subsection (a)(2), by striking “crews and*
21 *space flight participants” and inserting “crew, gov-*
22 *ernment astronauts, and space flight participants”;*

23 (2) *in subsection (b)(2)(D), by inserting “, gov-*
24 *ernment astronauts,” after “crew”; and*

25 (3) *in subsection (c)—*

1 (A) by striking “or a contractor” and in-
2 serting “a contractor”; and

3 (B) by striking “but not against” and in-
4 serting “or”.

5 **SEC. 7. FEDERAL JURISDICTION.**

6 Section 50914 of title 51, United States Code, is
7 amended by adding at the end the following:

8 “(g) *FEDERAL JURISDICTION.*—Any action or tort
9 arising from a licensed launch or reentry shall be the sole
10 jurisdiction of the Federal courts and shall be decided under
11 Federal law.”.

12 **SEC. 8. CROSS-WAIVERS.**

13 Section 50914(b)(1) of title 51, United States Code, is
14 amended to read as follows: “(1) A launch or reentry license
15 issued or transferred under this chapter shall contain a pro-
16 vision requiring the licensee or transferee to make a recip-
17 rocal waiver of claims with its contractors, subcontractors,
18 and customers, the contractors and subcontractors of the
19 customers, and any space flight participants, involved in
20 launch services or reentry services or participating in a
21 flight under which each party to the waiver agrees to be
22 responsible for property damage or loss it or they sustain,
23 or for personal injury to, death of, or property damage or
24 loss sustained by its own employees resulting from an activ-
25 ity carried out under the applicable license.”.

1 **SEC. 9. ORBITAL TRAFFIC MANAGEMENT.**

2 (a) *SENSE OF CONGRESS.*—*It is the sense of the Con-*
3 *gress that, as none currently exists, there may be a need*
4 *for a framework that addresses space traffic management*
5 *of United States Government assets and United States pri-*
6 *vate sector assets to minimize the proliferation of debris and*
7 *decrease the congestion of the orbital environment.*

8 (b) *STUDY REQUIRED.*—*Not later than 90 days after*
9 *the date of enactment of this Act, the Administrator of the*
10 *National Aeronautics and Space Administration shall enter*
11 *into an arrangement with an independent, private systems*
12 *engineering and technical assistance organization to study*
13 *frameworks for the management of space traffic and orbital*
14 *activities. The study shall include the following:*

15 (1) *An assessment of current regulations, Gov-*
16 *ernment best practices, and industry standards that*
17 *apply to space traffic management and orbital debris*
18 *mitigation.*

19 (2) *An assessment of current statutory authority*
20 *granted to the Federal Communications Commission,*
21 *the Federal Aviation Administration, and the Na-*
22 *tional Oceanic and Atmospheric Administration and*
23 *how those agencies utilize and coordinate those au-*
24 *thorities.*

25 (3) *A review of all space traffic management and*
26 *orbital debris requirements under treaties and other*

1 *international agreements to which the United States*
2 *is a signatory, and other nonbinding international*
3 *arrangements in which the United States partici-*
4 *pates, and the manner in which the Federal Govern-*
5 *ment complies with those requirements.*

6 (4) *An assessment of existing Federal Govern-*
7 *ment assets used to conduct space traffic management*
8 *and space situational awareness.*

9 (5) *An assessment of the risk associated with*
10 *smallsats as well as any necessary Government co-*
11 *ordination for their launch and utilization.*

12 (6) *An assessment of existing private sector in-*
13 *formation sharing activities associated with space sit-*
14 *uational awareness and space traffic management.*

15 (7) *Recommendations related to the framework*
16 *for the protection of the health, safety, and welfare of*
17 *the public and economic vitality of the space indus-*
18 *try.*

19 (c) *REPORT TO CONGRESS.—Not later than 1 year*
20 *after the date of enactment of this Act, the Administrator*
21 *shall provide to the Committee on Science, Space, and Tech-*
22 *nology of the House of Representatives and the Committee*
23 *on Commerce, Science, and Transportation of the Senate*
24 *the report required in subsection (b).*

1 (d) *DEPARTMENT OF DEFENSE AUTHORITIES.*—Con-
2 *gress recognizes the vital and unique role played by the De-*
3 *partment of Defense in protecting national security assets*
4 *in space. Nothing in this section shall be construed to*
5 *amend authorities granted to the Department of Defense to*
6 *safeguard the national security.*

7 **SEC. 10. STATE COMMERCIAL LAUNCH FACILITIES.**

8 *It is the Sense of Congress that State involvement, de-*
9 *velopment, ownership, and operation of launch facilities*
10 *can help enable growth of the Nation's commercial sub-*
11 *orbital and orbital space endeavors and support both com-*
12 *mercial and Government space programs. It is further the*
13 *sense of Congress that State launch facilities and the people*
14 *and property within the affected launch areas of those State*
15 *facilities are subject to risks if the commercial launch vehi-*
16 *cle fails or experiences an anomaly. To ensure the success*
17 *of the commercial launch industry and the safety of the peo-*
18 *ple and property in the affected launch areas, it is the fur-*
19 *ther sense of Congress that States and State launch facilities*
20 *should seek to take proper measures to secure their invest-*
21 *ments and the safety of third parties from potential dam-*
22 *ages that could be suffered from commercial launch activi-*
23 *ties.*

1 **SEC. 11. SPACE SUPPORT VEHICLES STUDY.**

2 *Not less than 1 year after the date of enactment of this*
3 *Act, the Comptroller General shall submit to the Committee*
4 *on Science, Space, and Technology of the House of Rep-*
5 *resentatives and the Committee on Commerce, Science, and*
6 *Transportation of the Senate, a report on the use of space*
7 *support vehicle services in the commercial space industry.*

8 *This report shall include—*

9 *(1) the extent to which launch providers rely on*
10 *such services as part of their business models;*

11 *(2) the statutory, regulatory, and market bar-*
12 *riers to the use of such services; and*

13 *(3) recommendations for legislative or regulatory*
14 *action that may be needed to ensure reduced barriers*
15 *to the use of such services if such use is a requirement*
16 *of the industry.*

17 **SEC. 12. STREAMLINE COMMERCIAL SPACE LAUNCH ACTIVI-**
18 **TIES.**

19 *(a) SENSE OF CONGRESS.—It is the sense of Congress*
20 *that eliminating duplicative requirements and approvals*
21 *for commercial launch and reentry operations will promote*
22 *and encourage the development of the commercial space sec-*
23 *tor.*

24 *(b) REAFFIRMATION OF POLICY.—Congress reaffirms*
25 *that the Secretary of Transportation, in overseeing and co-*

1 *ordinating commercial launch and reentry operations,*
2 *should—*

3 (1) *promote commercial space launches and reen-*
4 *tries by the private sector;*

5 (2) *facilitate Government, State, and private sec-*
6 *tor involvement in enhancing U.S. launch sites and*
7 *facilities;*

8 (3) *protect public health and safety, safety of*
9 *property, national security interests, and foreign pol-*
10 *icy interests of the United States; and*

11 (4) *consult with the head of another executive*
12 *agency, including the Secretary of Defense or the Ad-*
13 *ministrator of the National Aeronautics and Space*
14 *Administration, as necessary to provide consistent*
15 *application of licensing requirements under chapter*
16 *509 of title 51, United States Code.*

17 *(c) REQUIREMENTS.—*

18 (1) *IN GENERAL.—The Secretary of Transpor-*
19 *tation under section 50918 of title 51, United States*
20 *Code, and subject to section 50905(b)(2)(C) of that*
21 *title, shall consult with the Secretary of Defense, the*
22 *Administrator of the National Aeronautics and Space*
23 *Administration, and the heads of other executive*
24 *agencies, as appropriate—*

1 (A) to identify all requirements that are im-
2 posed to protect the public health and safety,
3 safety of property, national security interests,
4 and foreign policy interests of the United States
5 relevant to any commercial launch of a launch
6 vehicle or commercial reentry of a reentry vehi-
7 cle; and

8 (B) to evaluate the requirements identified
9 in subparagraph (A) and, in coordination with
10 the licensee or transferee and the heads of the rel-
11 evant executive agencies—

12 (i) determine whether the satisfaction
13 of a requirement of one agency could result
14 in the satisfaction of a requirement of an-
15 other agency; and

16 (ii) resolve any inconsistencies and re-
17 move any outmoded or duplicative require-
18 ments or approvals of the Federal Govern-
19 ment relevant to any commercial launch of
20 a launch vehicle or commercial reentry of a
21 reentry vehicle.

22 (2) *REPORTS.*—Not later than 180 days after the
23 date of enactment of this Act, and annually thereafter
24 until the Secretary of Transportation determines no
25 outmoded or duplicative requirements or approvals of

1 *the Federal Government exist, the Secretary of Trans-*
2 *portation, in consultation with the Secretary of De-*
3 *fense, the Administrator of the National Aeronautics*
4 *and Space Administration, the commercial space sec-*
5 *tor, and the heads of other executive agencies, as ap-*
6 *propriate, shall submit to the Committee on Com-*
7 *merce, Science, and Transportation of the Senate, the*
8 *Committee on Science, Space, and Technology of the*
9 *House of Representatives, and the congressional de-*
10 *fense committees a report that includes the following:*

11 *(A) A description of the process for the ap-*
12 *plication for and approval of a permit or license*
13 *under chapter 509 of title 51, United States*
14 *Code, for the commercial launch of a launch ve-*
15 *hicle or commercial reentry of a reentry vehicle,*
16 *including the identification of—*

17 *(i) any unique requirements for oper-*
18 *ating on a United States Government*
19 *launch site, reentry site, or launch property;*
20 *and*

21 *(ii) any inconsistent, outmoded, or du-*
22 *PLICATIVE requirements or approvals.*

23 *(B) A description of current efforts, if any,*
24 *to coordinate and work across executive agencies*
25 *to define interagency processes and procedures*

1 for sharing information, avoiding duplication of
2 effort, and resolving common agency require-
3 ments.

4 (C) *Recommendations for legislation that*
5 *may further—*

6 (i) *streamline requirements in order to*
7 *improve efficiency, reduce unnecessary costs,*
8 *resolve inconsistencies, remove duplication,*
9 *and minimize unwarranted constraints;*
10 *and*

11 (ii) *consolidate or modify requirements*
12 *across affected agencies into a single appli-*
13 *cation set that satisfies the requirements*
14 *identified in paragraph (1)(A).*

15 (3) *DEFINITIONS.—For purposes of this sub-*
16 *section—*

17 (A) *any applicable definitions set forth in*
18 *section 50902 of title 51, United States Code,*
19 *shall apply;*

20 (B) *the terms “launch”, “reenter”, and “re-*
21 *entry” include landing of a launch vehicle or re-*
22 *entry vehicle; and*

23 (C) *the terms “United States Government*
24 *launch site” and “United States Government re-*
25 *entry site” include any necessary facility, at*

1 *that location, that is commercially operated on*
2 *United States Government property.*

3 **SEC. 13. SPACE LAUNCH SYSTEM UPDATE.**

4 (a) *CHAPTER 701.—*

5 (1) *AMENDMENT.—The chapter heading of chap-*
6 *ter 701 of title 51, United States Code, is amended*
7 *by striking “SPACE SHUTTLE” and inserting*
8 *“SPACE LAUNCH SYSTEM”.*

9 (2) *CONFORMING AMENDMENT.—The item relat-*
10 *ing to chapter 701 in the table of chapters at the be-*
11 *ginning of title 51, United States Code, is amended*
12 *by striking “Space Shuttle” and inserting “Space*
13 *Launch System”.*

14 (b) *SECTION 70101.—*

15 (1) *AMENDMENTS.—Section 70101 of title 51,*
16 *United States Code, is amended—*

17 (A) *in the section heading, by striking*
18 *“space shuttle” and inserting “Space*
19 *Launch System”; and*

20 (B) *by striking “space shuttle” and insert-*
21 *ing “Space Launch System”.*

22 (2) *CONFORMING AMENDMENT.—The item relat-*
23 *ing section 70101 in the table of sections for chapter*
24 *701 of title 51, United States Code is amended by*

1 *striking “space shuttle” and inserting “Space Launch*
2 *System”.*

3 (c) SECTION 70102.—

4 (1) AMENDMENTS.—Section 70102 of title 51,
5 *United States Code, is amended—*

6 (A) *in the section heading, by striking*
7 ***“Space shuttle”*** *and inserting “****Space***
8 ***Launch System”***;

9 (B) *in subsection (a)(1)(A), by striking*
10 *“space shuttle” both places it appears and in-*
11 *serting “Space Launch System”;*

12 (C) *in subsection (a)(1)(A)(i), by inserting*
13 *“directly to cis-lunar space and the regions of,*
14 *space beyond low-Earth orbit” after “human*
15 *presence”;*

16 (D) *in subsection (a)(1)(B), by striking “a*
17 *shuttle launch” and inserting “a launch of the*
18 *Space Launch System”;*

19 (E) *in subsection (a)(2), by striking “a*
20 *space shuttle mission” and inserting “a mission*
21 *of the Space Launch System”;*

22 (F) *in subsection (b)—*

23 (i) *by striking “space shuttle” each*
24 *place it appears and inserting “Space*
25 *Launch System”;* *and*

1 (ii) by striking “from the shuttle” and
2 inserting “from the Space Launch System”;
3 (G) in subsection (c), by striking “space
4 shuttle” and inserting “Space Launch System”;
5 and

6 (H) by adding at the end the following new
7 subsection:

8 “(d) *DEFINITION.*—In this section, the term ‘Space
9 Launch System’ means the Space Launch System author-
10 ized under section 302 of the National Aeronautics and
11 Space Administration Authorization Act of 2010.”.

12 (2) *CONFORMING AMENDMENT.*—The item relat-
13 ing section 70102 in the table of sections for chapter
14 701 of title 51, United States Code is amended by
15 striking “Space shuttle” and inserting “Space
16 Launch System”.

17 (d) *SECTION 70103.*—

18 (1) *AMENDMENTS.*—Section 70103 of title 51,
19 United States Code, is amended—

20 (A) in the section heading, by striking
21 “**space shuttle**” and inserting “**Space**
22 **Launch System**”; and

23 (B) by striking “space shuttle” each place it
24 appears and inserting “Space Launch System”.

1 (2) *CONFORMING AMENDMENT.*—*The item relat-*
2 *ing section 70103 in the table of sections for chapter*
3 *701 of title 51, United States Code is amended by*
4 *striking “space shuttle” and inserting “Space Launch*
5 *System”.*